

**PROCEDURE FOR VERIFYING SAYBOLT
VISCOMETER
(AASHTO T 72)**

A. PURPOSE

This procedure provides instructions for calibrating the Saybolt viscometer.

B. APPARATUS REQUIRED

1. Bath thermometer, calibrated and readable to 0.1 °C (0.2 °F).
2. Saybolt viscosity thermometer, as listed in Table 1 (AASHTO T 72).
3. Saybolt viscometer with orifice and bath.
4. Timer, readable to 0.1 second.
5. Receiving flask.
6. Saybolt viscosity standard oil.
7. Thermometer support.
8. Withdrawal tube.

C. PROCEDURE

Procedure specified in AASHTO T 72-97, Sections 9 and 10, shall be used.

D. TOLERANCE

The equipment shall meet the tolerances specified in T 72.

EQUIPMENT VERIFICATION RECORD

| | |
|--|--|
| Verified By: _____ | Date: _____ |
| Equipment: <u>Viscometers</u> | Location (Lab): _____ |
| Identification No.: _____ | Verification Frequency: <u>36 months</u> |
| Previous Verification Date: _____ | Next Due Date: _____ |
| Verification Equipment Used: Thermometer, SN: _____ Timer, SN: _____ | |
| Verification Procedure: <u>(In-house) OMR-CVP-50 / AASHTO T 72</u> | |

| Viscometer Number | Date Calibrated | Calibrated Standard Oil | | | | | Efflux Time | Correction |
|----------------------|--------------------|-------------------------|-------|--------------------|-------|--------------------|----------------|------------|
| | | Type | Lot # | Viscosity (SSF) | Temp. | Expiration Date | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |

| Viscometer Number | Date Calibrated | Calibrated Standard Oil | | | | | Efflux Time | Correction |
|----------------------|--------------------|-------------------------|-------|--------------------|-------|--------------------|----------------|------------|
| | | Type | Lot # | Viscosity (SUS) | Temp. | Expiration Date | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |